QMS 1660E
Print System

The QMS 1660E Print System

Full-bleed 11" x 17" printing, 1200 x 1200 dpi resolution, enhanced screening, direct network connectivity and advanced processing capabilities make the QMS® 1660E Print System a welcome addition to any small or medium workgroup.

The QMS 1660E Print System features QMS Crown® multitasking advanced document processing technology. Crown technology gives this 16 page-per-minute, desktop laser printer superior processing speed and the flexibility to operate in mixed computer, application and network environments.

QMS CrownNet™ interfaces for Ethernet® and Token-Ring networks provide easy network installation, simultaneous network protocol support, and advanced remote print system management. QMS CrownNet Ethernet is standard on the QMS 1660E Print System.

Standard emulations include PostScript® Level 2 and Level 1, HP PCL® 5, and HP-GL® 7475A / 7550A. Optional QUIC II, LN03™ Plus, and line printer emulations are available to maximize application flexibility.

The QMS 1660E also includes a Software Loadable System, implemented through Flash ROM, that protects your investment by allowing new system capabilities and feature enhancements to be easily loaded over the network.

The QMS 1660E combines superior speed, reliability and networking capabilities with affordable, full-bleed printing to give you a winning advantage in today's highly competitive business environment.

QMS®
Printers for Professionals.

QMS® 1660E Print System Specifications

Features and Benefits

- Provide out-of-the-box 1200 x 1200 dpi resolution on letter-size / A4 pages (600 x 600 on 11" x 17" / A3 pages) to give users extensive flexibility in page layout and design.
- Capable of 1200 x 1200 dpi resolution on full-bleed 11" x 17" pages (supported by the PostScript emulation) through additional RAM. At this resolution, the QMS 1660E provides more gray levels than are available at lower resolutions for exceptional scanned image quality. Extremely clean output is produced that can be used as accurate prepress proofs and often as camera-ready originals.
- The QMS 1660E offers the capabilities of PostScript Level 2 and Level 1, giving it the same features and functionality offered by Adobe® "second generation" PostScript software.
- Features an IDT 3081 RISC-based internal controller, running at 33 MHz, and utilizes QMS Crown® technology which processes documents at speeds unsurpassed by other printers in its class.
- Standard and optional interfaces provide compatibility with PCs, Macintosh® computers, UNIX® workstations, IBM® mainframes, and virtually any network environment. All interfaces, including the optional interfaces, can receive data simultaneously.
- Emulation Sensing Processor (ESP) technology, which works with most popular commercially available applications, analyzes incoming file data from any of the printer's interfaces, and selects the appropriate printer language from those installed on the printer.
- Software Loadable System, through Flash ROM, allows additional enhancements and new functionality to be loaded over any interface and network protocol.
- Conserve Toner mode applies less toner to extend cartridge life.
- Complies with the energy-saving requirements mandated by the U.S. Environmental Protection Agency's Energy Star program.*
- Enhanced Screening to simulate 256 levels of gray.

Technical Specifications

PRINT ENGINE

- Print Method – Electrophotographic recording with semiconductor laser. Dry toner, image transfer to paper.
- Toner – Single component, dry toner.
- Toner Cartridge Life – 7,500 pages at normal (4%) coverage. Conserve Toner mode extends cartridge life.
- Warm-up Time – Less than 90 seconds.
- Recommended Duty Cycle – 35,000 prints per month.
- Print Speed – Up to 16 pages per minute on letter / A4 paper; up to 9 pages per minute on ledger / A3 paper.

CONTROLLER

- Type – IDT 3081 RISC-based controller operating at 33 MHz and utilizing QMS Crown technology.
- RAM Memory – RAM is user-configurable and expandable to a total of 64 MB. Choice of configurations from the factory:
  - 12 MB RAM provides 1200 x 600 dpi resolution for up to letter / A4 graphics page (600 x 600 dpi on 11" x 17" / A3 page).
  - 24 MB RAM provides 1200 x 600 dpi resolution for up to 11.7" x 19.5" (including full-bleed 11" x 17").
  - 48 MB RAM provides 1200 x 1200 dpi resolution for up to 11.7" x 19.5" (including full bleed 11" x 17").
- IDE Internal and External SCSI Hard Drives (optional) – Hard drives expand the printer's spooling capabilities and provide permanent storage of downloadable typefaces, emulations, and PostScript programs. Supports one internal and up to three external SCSI drives. Hard drive options require an IDE / SCSI board and use of one optional interface slot.
- QMS Kanji Hard Drive (optional) – Features 6 Kanji fonts and a QMS Windows 3.1J driver.
- Printer Emulations – PostScript Level 2, PostScript Level 1, HP PCL® 5, HP-GL® 7475A / 7550A, and line printer. Optional QUIC 2 and LN03™ Plus emulations are available.
- Typefaces – 39 resident typefaces for PostScript language printing. Adobe's PostScript Type 1 and Type 3 downloadable typefaces are supported. All typefaces have multilingual character sets. PCL fonts compatible with the standard fonts on the HP LaserJet® IIISi are also included. TrueType™ fonts are supported under the PostScript emulation.
- Two PCMCIA Cartridge Slots – Accommodates optional PCMCIA plug-in cartridges for additional typefaces and emulations.

INTERFACES

- Standard Interfaces – QMS CrownNet for Ethernet, RS-232C serial, and IEEE® 488 / 1284 bidirectional parallel.
- Network Interfaces – Optional interface slots are available to provide direct network connectivity. QMS CrownNet for Ethernet networks concurrently supports NetWare®, AppleTalk® (EtherTalk®), TCP / IP, and LAN Manager / LAN Server (NetBIOS / NetBEUI) protocols (QMS CrownNet™ for Ethernet is standard on the 1660E); and for Token-Ring networks supports NetWare, TCP / IP, and LAN Manager / LAN Server (NetBIOS / NetBEUI) protocols concurrently.

PAPER HANDLING

- Paper Sizes Supported – Executive, letter, legal, ledger, full ledger (for full bleed 11" x 17"), A3, A4, A5, postcard / A6, B4, B5, B6, universal, and 11.7" x 19.5" (297.2 mm x 495.3 mm).
- Media – Printer can handle office paper, recycled paper, approved label stock, and transparencies.
- Maximum Printable Region – 11.37" x 19.1" (288.8 mm x 486.79 mm)
- Paper Weights – 17 to 34 lbs. (64 to 128 g / m^2).
- Standard Paper Input – 250-sheet paper cassette, and a 100-sheet multipurpose tray.
- Optional Paper Input – Optional paper feeder allows the addition of a 250-sheet paper cassette. When used with a cassette supporter, the paper feeder supports a 500-sheet letter-size paper cassette.
- Paper Output – 250 sheets maximum, face down.
- Automatic Jam Recovery – Printer automatically reprints jammed pages.

PHYSICAL

- Type – Laser printer with internal controller.
- Dimensions – (W x D x H) 18.02" x 23.22" x 11.81" (459 mm x 590 mm x 300 mm)
- Weight – 50 lbs. (22.68 kg).
- Warranty – One year, return-to-factory.

ELECTRICAL

- Power Requirements – 90 to 130 VAC, 48-62 Hz; or 200 to 260 VAC, 50 Hz.
- Operating Power Consumption – 870W maximum.
- Energy Star compliant.*

ENVIRONMENT

- Temperature Requirements – 50° to 95° F (10° to 35° C)
- Humidity – 20% to 80 % RH (operating).
- Noise Level – Not more than 49 dB (A).

REGULATORY/SAFETY CONFORMITY

- FCC B and VFG 1046 regulatory.
- UL, CSA and TUV/GS safety approvals.

RESIDENT TYPEFACES

Courier*
Helvetica®*
Helvetica Condensed
Helvetica Narrow*
ITC Avant Garde Gothic® Book*
ITC Bookman® Light*
ITC Zapf Chancery® Medium Italic
✠✠■❋✲✵▼▲ (ITC Zapf Dingbats®)
New Century Schoolbook*
Palatino®*
Σψμβολ (Symbol Set)
Times®*

*Includes Regular, Italic, Bold, and Bold Italic type styles.

Specifications subject to change without notification.

Printers for Professionals.

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* The addition of some optional interfaces, in some combinations, may cause the product to become non-compliant. Energy Star compliance does not represent an EPA endorsement of any product or service.
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